# WAVES OF CHANGE

NAVIGATING THE FUTURE OF WATER

APRIL 22-25, 2025 PALM SPRINGS

AC.CWEA.ORG

# WDR Compliance Best Practices

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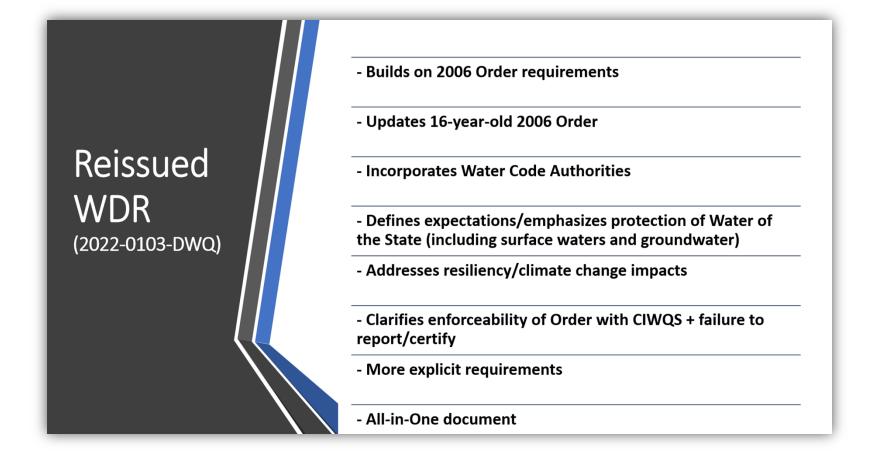


Figure 7: Failure section of the pipe





# What Has Changed?



STATE WATER RESOURCES CONTROL BOARD 1001 I Street, Sacromento, California MS14 **CROER WG 3623-6165-0WG** STATEWIDE WASTE DISCHARGE REQUIREMENTS DENERAL ORDER FOR BANITARY SEWER SYSTEMS This Order was adjusted by the Blate Water Resources Control Board on December 9, 2022 The Enrolles shall comply with the requirements of this Onler upon the Effective Date of this The requirements prescribed herein do not authorize the commission of any act causing many to persons or properly, protect the Enrollee from liability under facienal, state, or local liese, nor create a vested right for the Europea to continue the discharge of mosts. 1, Joseph Francis, Clark to the Scart, its hereby partily that the Order with all attachments to a full, true, and cornect copy of the Onder adligited by the State Water State on Vice Char Donnie D'Adams Board Member Sean Maguire Board Member Laund Finestons Board Member Nichole Morgan ABBENT





Examples	2006 WDR	2022 WDR	Changes/Increase
Length	~40+ pages with MRP	~85+ pages including MRP	>50%
Enforcement	Minimal citations	Numerous citations	Substantial (Water Code 13327)
"Procedures"	11	25	>50%
"Shall"	55	123	>50%
Training	Very few mentions	Requires knowing Order, practice drills, competency, vol. estimation, etc.	Substantial (LRO, Spec. 5.1) (O/M, Att. D-4.3)



### **ELEMENT 1: Goal & Intro**

Attachment D-1 (Goal/Intro), Specifications 5.2 (Develop/Implement Sewer System Management Plan)

### **ELEMENT 2: Organization**

Attachment D-2 (Org.), Specifications. 5.1 (Designation of LRO)

### **ELEMENT 3: Legal Authority**

Attachment D-3 (Legal Authority)

### **ELEMENT 4: Operations and Maintenance Program**

Attachment D-4 (O/M), Specifications: 5.7 (Necessary Resources), 5.19 (Proper O/M)

### **ELEMENT 5: Design and Performance Provisions**

Attachment D-5 (Design/Performance)

### ELEMENT 6: Spill Emergency Response Plan

Attachment D-6 (Spill Emergency Response Plan), Specifications 5.12 (SERP/Remedial Actions)

Attachment E-1 (Notification, Monitoring, Reporting, Recordkeeping)

### **ELEMENT 7: Sewer Pipe Blockage Control Program**

Attachment D-7 (Pipe Blockage Control Program)

### ELEMENT 8: System Evaluation, Capacity Assurance, Capital Improvements

Attachment D-8 (System Evaluation, Capacity Assurance, Capital Improvements)

Specifications 5.6 (System Resilience)

Specifications 5.10 (System Capacity)

### ELEMENT 9: Monitoring, Measurement, Program Modifications

Attachment: D-9 (Monitoring, Measurement, Program Modifications)

Specifications: 5.11 (System Performance Analysis)

### **ELEMENT 10: Internal Audits**

Attachment D-10 (Internal Audits)

### **ELEMENT 11: Communication**

Attachment D-11 (Communication Program)





# Address ALL requirements!



### Reissued WDR Compliance Checklist (2024-2026)

Target Date	Due Date	Action Items (CY2024-2025)	Completion Date
Jan 2024	Due FEB 1, 2024	Cat 4 / Non-Cat 1 Laterals Spills (<50 gallons)	
March 2024	Due APRIL 1, 2024	SERP (review/update prior to completing Annual Report)	
March 2024	Due APRIL 1, 2024	Annual Report (draft/final/ upload by LRO)	
May 2024	Due JUNE 5, 2024	SERP (annual review/assess effectiveness/update)	
2024	Check SWRCB Website with WDID	SSMP 3-Year Audit (initiate audit/draft report)	
2024/2025	Check SWRCB Website with WDID	SSMP 3-Year Audit (final report/certify/upload by LRO)	
2025/2026	Check SWRCB Website with WDID	2025 SSMP Update (initiate review/draft new SSMP)	
2025/2026	Check SWRCB Website with WDID	2025 SSMP Update (final report/certify/upload by LRO)	
Jan 2025	Due FEB 1, 2025	Cat 4 / non-Cat 1 Laterals Spills (<50 gallons)	
March 2025	Due APRIL 1, 2025	SERP (review/update prior to completing Annual Report)	
March 2025	Due APRIL 1 2025	Annual Report (draft/final/ upload by LRO)	
May 2025	Due JUNE 5, 2025	SERP Annual Review/assess effectiveness/update	





# **DEADLINES**



## SAMPLE SCHED.

Sewer System Management Plan & Audit Required Due Dates Transition from General Order 2006-0003-DWQ to Reissued General Order

Search by Waste Discharge Identification (WDID) Number

Enter your waste discharge identification (world) number in the search field to retrieve the req	uired sewer system management Flan (SSMF) opdate and Addit due dates for your system.
Enter WDID number	
Show Update/Audit Dates	

ı			Sewer System Manageme	tan a subsequent opaut		
	System Name	WDID Number	Original Plan Required Due Date	Required Plan Update Due Date	Required Plan Update Due Date	Required Plan Update Due Date*
ı						

	Audit Due Dates							
System Name	WDID Number	Original Required Plan Audit Due Date	Required Plan Audit Due Date	End of Required 3-Year Audit Period**				

<sup>\*</sup> Per Section 5.5 and Attachment E1, Section 3.11 of the General Order, Plan updates are due within six years after the required due date of the Enrollee's last Plan Update.

<sup>\*\*</sup> Per Section 5.4 and Attachment E1, Section 3.10 of the General Order, the Audit Report is due within six months after the end of the required 3-year audit period.



### 1.2. SSMP Update Schedule

### WDR REQUIREMENTS

### Att. D-1.2 (pg. D-3)

"The Plan Introduction section must include a schedule for the Enrollee to update the Plan, including the schedule for conducting internal audits. The schedule must include milestones for incorporation of activities addressing prevention of sewer spills."

### **COMPLIANCE**

The District utilizes the State Water Board's online lookup tool for ensuring all required due dates for updating its SSMP and completing its required SSMP Audits (see chart below).

	Sewer System Management Plan & Subsequent Update Due Dates							
System Name WDID Number		Original Plan Required Due Date	Required Plan Update Due Date	Required Plan Update Due Date	Required Plan Update Due Date*			
West Valley Sd CS	2SSO10217	5/2/2009	5/2/2014	5/2/2019	5/2/2025			

Audit Due Dates								
System Name	WDID Number	Original Required Plan Audit Due Date	Required Plan Audit Due Date	End of Required 3-Year Audit Period**				
West Valley Sd CS	2SSO10217	5/2/2011	5/2/2013	5/2/2015	5/2/2017	5/2/2019	5/2/2021	5/2/2024

The District's most recent SSMP audit was for the period May 2021 through May 2024.

Notable maintenance milestones include optimization of preventative measures including transitioning from a 15-year CCTV inspection cycle to an 8-year cycle, maintaining a 36-month gravity main cleaning cycle, weekly pump station inspections, and capital improvement projects, all of which are monitored continuously throughout the 6-year SSMP update cycle.

### **EFFECTIVENESS**

### **Key Performance Indicators:**

- 1. Are SSMP Audits and SSMP Updates being performed as scheduled?
- 2. Has the Sewer System Management Plan been approved by the governing board on schedule (every six
- 3. Are specific internally established sewer program milestones being monitored?

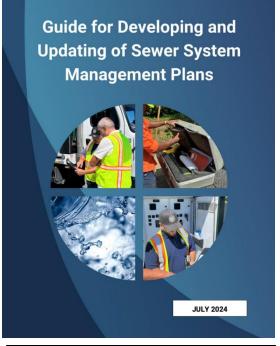


c. BACWA 2024 Development Guide

# SSMP Guidance Manual (2024)

- 1. What Has Changed
- 2. How to Comply







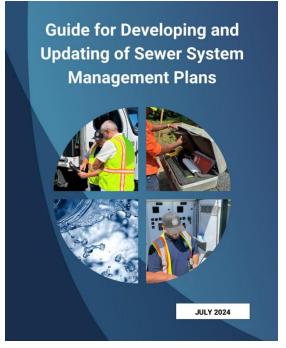


# c. BACWA 2024 Development Guide

# Development Team

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- Guidance Manual Development Team:
  - James Fischer (Fischer Compliance LLC)
  - Sam Rose (Sam Rose Consulting)
  - Richard Cunningham (Utility Software LLC)
  - Paul Causey (Causey Consulting)





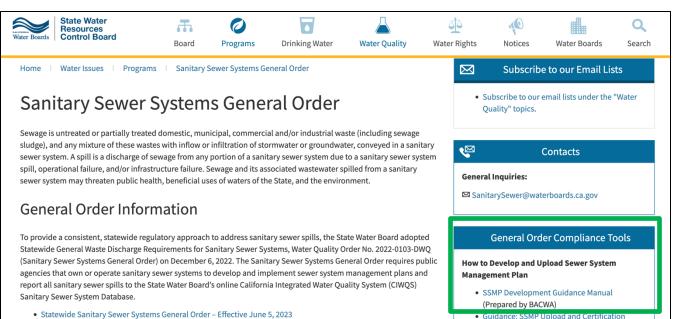


# c. BACWA 2024 Development Guide



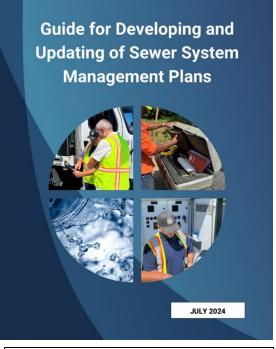
### 1.INTRO & REVIEW

# Distribution







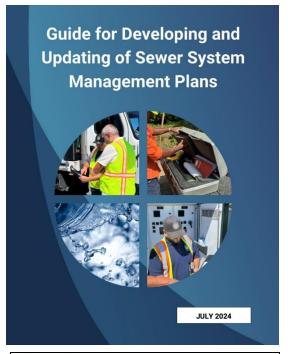




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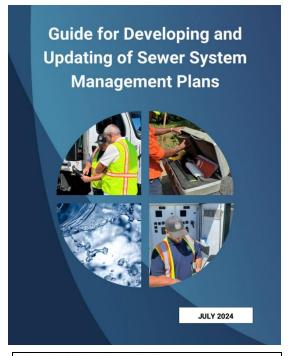






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### **Introduction and Frequently Asked Questions**

### Is the Manual a Guidance Document or Is It an Enforcement Tool?

This question was raised during the development of the manual because - like the Vehicle Code - the manual can be interpreted as both an educational tool as well as an enforcement device, depending on the end user's point-of-view and business purposes.

The authors and reviewers elected to adopt a style and tone in the language in the manual that stresses education and learning. This will help guide the end user towards achieving the Water Board's strategic goal of having agencies operate in a process of continuous improvement.

### What are the differences with 2006 and 2022 Waste Discharge Requirements?

- Both Waste Discharge Requirements (WDRs) require all publicly-owned sewer agencies with >1
  mile of sewer pipes to enroll for coverage. For a copy of the Order, visit the enroll for regulatory
  coverage website.
- The 2022 WDR (referred to throughout this manual as the "Reissued WDR") has additional changes and new requirements.
- This manual focuses on the key requirements of the Reissued WDR to facilitate agencies in developing and updating their Sewer System Management Plans.
- A summary of the key differences between the 2006 and 2022 WDRs is provided in Appendix 1. In addition, Appendix 3 contains archived State Water Board staff presentations on the 2022 WDR that were developed in April 2023.

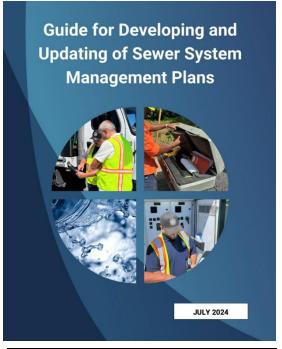
### What Do Agencies Need to Do to Help Stay in Compliance?

- Visit the <u>State Water Board's Spill Reduction website</u> to stay current and review the all the latest regulatory compliance information.
- Attend and document staff completion of available industry training.
- Maintain a Sewer System Management Plan Change Log for documenting all agency Sewer System Management Plan modifications for the Reissued WDR (see Appendix 2).
- Review all key compliance deadlines for the Reissued WDR (see checklist included in Appendix 2 as an example) to help reduce agency violations for missing deadlines.

### Why Was the Manual Developed?

- To provide a "blueprint" for assisting small/medium-sized collection system owners and operators to comply with the State Water Resources Control Board (SWRCB) General Reissued Waste Discharge Requirements for Sanitary Sewer Systems ("Reissued WDR", Order No. 2022-0103-DWQ).
- The Reissued WDR became effective on June 5, 2023 and replaced the 2006 WDR (Order No. 2006-003-DWO and its Monitoring and Reporting Program, Order No. 2013-0058-EXEC).







### What Doesn't the Manual Do?

- Replace legal review/assurances or shielding of an agency against potential enforcement including Clean Water Act litigation.
- Substitute responsibility of an agency to complete/adopt a fully compliant Sewer System Management Plan.
- Provide a "One Size Fits All" document or checklist substitute.

### Strategies and Where to Start

Key strategies for making the best use of the Manual include:

- Have a clear understanding of the overall concepts/changes to the Revised WDR.
   The Revised WDR contains new requirements and expectations of agencies. Agencies must adapt to the Reissued WDR requirements.
- The manual's style has a step-by-step "How To Do It" approach, different than the 2015 version, which provided general guidance in narrative form.
- Put together a Sewer System Management Plan team made up of your agency's Operations and Engineering staff to get the best input into the document. Both Operations and Engineering have WDR requirements to fulfill that cross over disciplines.

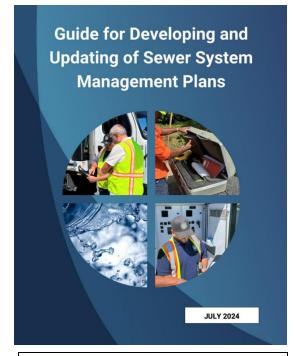






Photo Credits: Rosamond Community Services District, City of Roseville, West Bay Sanitary District







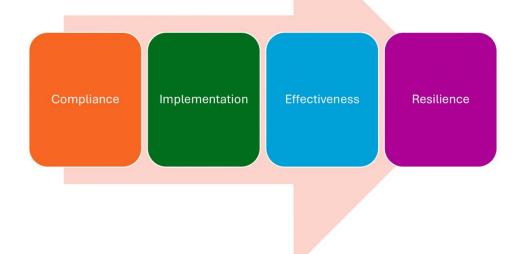
### **Document Structure**

The information in this User manual is divided into multiple sections that correspond to the WDR requirements in Attachment D, Sewer System Management Plan-Required Elements.

Each element discussed in the manual is broken into the following sections:

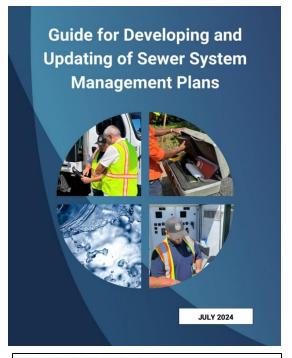
- Requirements concise description summarizing applicable WDR requirements.
- Compliance guidance for helping agency demonstrate compliance.
- Implementation guidance for supporting actions to be performed/developed to meet compliance of main/sub-elements.
- Effectiveness guidance for utilizing Key Performance Indicators for measuring targets, showing how agency plans and processes are working and how effective they are for achieving desired results.
- Resilience guidance to further bolstering programs to avoid violations, reduce spills, and sustain scrutiny by outside regulators.
- Common Violations typical noncompliance issues identified during Sewer System Management Plan audits.

Figure 1 - Visualization for Sewer System Management Plan Compliance, Implementation, Effectiveness, and Resillience



pg. 4

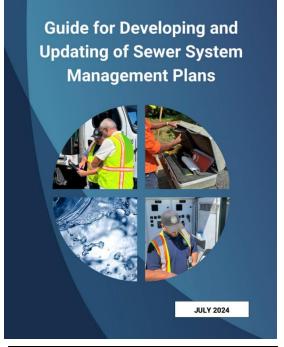






Compliance is the act of meeting regulations. This is the starting point for Sewer System Management Plan development, as all the requirements in the individual elements must be incorporated and addressed. As agencies begin to develop their new Sewer System Management Plan, there will be cases where new procedures, work plans, and ordinances will need to be developed or updated to meet the requirements. Compliance is the most fundamental aspect in the development of the Sewer System Management Plan. As a reminder, Attachment D specifies "The Enrollee's development, update, and implementation of a Sewer System Management Plan addressing the requirements of this Attachment is an enforceable component of this General Order."



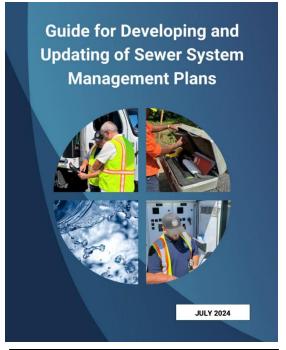




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**Implementation** is the actions or steps taken to accomplish tasks, goals, and objectives. There needs to be a plan and schedule to carry out these actions. A plan without a goal is just a wish and a plan that is not implemented is just an idea. To implement a plan, a goal, level of effort, resources, and timeline need to be determined.





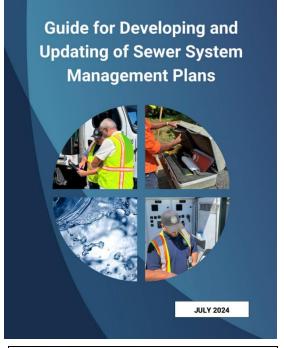


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**Effectiveness** is the degree to which something is successful in producing a desired result. There must be a procedure or method to measure effectiveness so the degree to which something is effective can be determined. A requirement of an internal audit (Element 10) is to measure the effectiveness of each Sewer System Management Plan element.







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**Effectiveness** is the degree to which something is successful in producing a desired result. There must be a procedure or method to measure effectiveness so the degree to which something is effective can be determined. A requirement of an internal audit (Element 10) is to measure the effectiveness of each Sewer System Management Plan element.

A <u>Key Performance Indicator</u> (KPI) is a measurable target that indicates how plans and processes are working in terms of obtaining desired results. KPIs provide focus for strategic and operational improvements, create an analytical basis for decision making, and help place attention on what matters most.

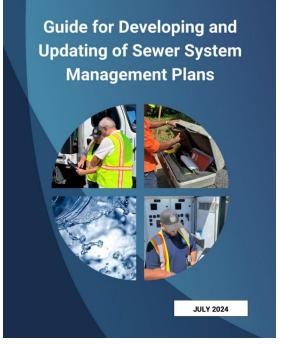
### Key Performance Indicator example:

Goal: Develop a hydraulic model that determines pipe capacity requirements for current system and future (a 30-year buildout is used here strictly for this example).

Examples of Key Performance Indicators:

- Number of capacity-related spills or surcharge conditions during the period?
- Has the system responded to rain events as indicated by the hydraulic model?
- Have there been any changes to zoning designations (residential, commercial, industrial)?
- Rain event trends: Have there been changes in rain event occurrences, intensity, and duration?
- Water conservation: Do change(s) require modifications to our model assumptions?









# Guide for Developing and Updating of Sewer System Management Plans JULY 2024



### **Supplemental Guidance – Element 1**

### RESILIENCE

To provide resilience for this element, an agency should consider identifying or developing resilience indicators, such as:

- Standard operating procedure to provide guidance when collecting and managing asset data.
- QA/QC process to ensure information is correct, calendar dates/deadlines for reminders to avoid missing deadlines or violating WDR requirements.
- Training for all appropriate agency staff to ensure more than one staff member can collect and manage data.

### **Supplemental Guidance – Element 1**

In addition to the above guidance, an agency should also consider addressing the following related "Specifications" requirements in the Reissued WDR:

- Specifications 5.2 (pages 18-19): "Sewer System Management Plan Development and Implementation"
- Specifications 5.7 (page 22): "Allocation of Resources"
- Provisions 6.1 (pages 27-35): "Enforcement Provisions"
- Provisions 6.3 (page 31): "Sewer System Management Plan Availability"

### ADDITIONAL GUIDANCE

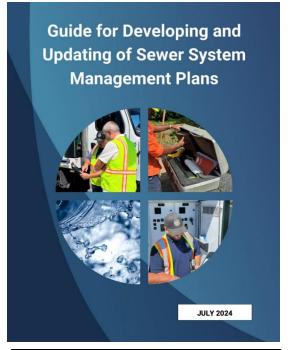
See Appendix 4

### COMMON WDR VIOLATIONS

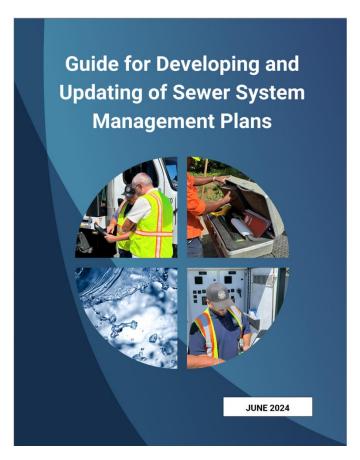
To help reduce potential violations for noncompliance, an agency should avoid the following common violations:

- ✓ Failure to identify appropriate goals.
- ✓ Failure to establish necessary funding, staffing, capital resources for sewer program.
- ✓ Failure to update Sewer System Management Plan sub-elements.
- ✓ Failure to maintain Sewer System Management Plan Change Log.
- ✓ Failure to establish process to ensure public has access/input to Sewer System Management Plan
- ✓ Failure to complete appropriate Sewer System Management Plan audits.
- ✓ Failure to measure effectiveness and progress.
- ✓ Failure to develop and implement procedures for updating sewer maps.
- ✓ Failure to provide appropriate narrative descriptions describing procedures for prioritization of system repairs and maintenance to prevent spills.
- ✓ Failure to describe technologies and practices to reduce spills.









### Figure 2 - Sewer System Management Plan Requirements (Reissued WDR)

### ELEMENT 1: Goal & Intro

 Attachment D, Section 1(Goal/Intro), Specifications 5.2 (Develop/Implement Sewer System Management Plan)

### **ELEMENT 2: Organization**

• Attachment D, Section 2 (Org.), Specifications. 5.1 (Designation of LRO and Data Submitter(s))

### ELEMENT 3: Legal Authority

Attachment D, Section 3 (Legal Authority)

### **ELEMENT 4: Operations and Maintenance Program**

 Attachment D, Section 4 (O/M, Training/Drills), Specifications: 5.7 (Necessary Resources), 5.19 (Proper O/M)

### **ELEMENT 5: Design and Performance Provisions**

Attachment D, Section 5 (Design/Performance)

### **ELEMENT 6: Spill Emergency Response Plan**

- Attachment D, Section 6 (Spill Emergency Response Plan), Specifications 5.12 (SERP/Remedial Actions)
- · Attachment E-1 (Notification, Monitoring, Reporting, Recordkeeping)

### ELEMENT 7: Sewer Pipe Blockage Control Program

· Attachment D, Section 7 (Pipe Blockage Control Program)

### **ELEMENT 8: System Evaluation, Capacity Assurance, Capital Improvements**

- Attachment D, Section 8 (System Evaluation, Capacity Assurance, Capital Improvements)
- Specifications 5.6 (System Resilience)
- Specifications 5.10 (System Capacity)

### ELEMENT 9: Monitoring, Measurement, Program Modifications

- · Attachment D, Section 9 (Monitoring, Measurement, Program Modifications)
- · Specifications 5.11 (System Performance Analysis)

### **ELEMENT 10: Internal Audits**

Attachment D, Section 10 (Internal Audits)

### **ELEMENT 11: Communication**

· Attachment D, Section 11 (Communication Program)









# REVIEW CHECKLIST

2006 WDR (rescinded)	2022 WDR (current)	2022 Changes	Key 2022 Changes for SSMP Development/Updates	
1. Goal	Goal and Introduction	Many	Implementation of SSMP as "living document"	
Provision D.13(j)	Att. D-6, Spec. 5.2		Enforcement of development, update, and implementation	
			Narratives for regulatory context, assets, updated sewer map(s)	





2006 WDR (rescinded)	2022 WDR (current)	2022 Changes	Key 2022 Changes for SSMP Development/Updates	
1. Goal	Goal and Introduction	Many	Implementation of SSMP as "living document"	
Provision D.13(i)	Att. D-6, Spec. 5.2		Enforcement of development, update, and implementation	
			<ul> <li>Narratives for regulatory context, assets, updated sewer map(s)</li> </ul>	
2. Organization	2. Organization	Few	Name of Legally Responsible Official	
Provision D.13(ii)	Attachment D-6			





2006 WDR (rescinded)	2022 WDR (current)	2022 Changes	Key 2022 Changes for SSMP Development/Updates
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			Narratives for regulatory context, assets, updated sewer map(s)
2. Organization	2. Organization	Few	Name of Legally Responsible Official
Provision D.13(ii)	Attachment D-6		
3. Legal Authority	3. Legal Authority	Few	Collaboration with storm drain agencies
Provision D.13 (iii)	Attachment D-6		Easement accessibility agreements



2006 WDR (rescinded)	2022 WDR (current)	2022 Changes	Key 2022 Changes for SSMP Development/Updates
1. Goal Provision D.13(j)	1. Goal and Introduction Att. D-6, Spec. 5.2	Many	<ul> <li>Implementation of SSMP as "living document"</li> <li>Enforcement of development, update, and implementation</li> <li>Narratives for regulatory context, assets, updated sewer map(s)</li> </ul>
2. Organization Provision D.13(ii)	2. Organization Attachment D-6	Few	Name of Legally Responsible Official
Legal Authority     Provision D.13 (iii)	3. Legal Authority Attachment D-6	Few	Collaboration with storm drain agencies     Easement accessibility agreements
4. O/M Program Provision D.13 (iv)	4. O/M Program Attachment D-6	Many	<ul> <li>Procedures for maintaining/providing Water Board access to sewer map(s)</li> <li>Enhanced training on WDR, drills/skilled volume estimations, CIWQS reporting</li> <li>Scheduling system enhancements for problem/root-prone areas</li> </ul>



2006 WDR (rescinded)	2022 WDR (current)	2022 Changes	Key 2022 Changes for SSMP Development/Updates
1. Goal Provision D.13(i)	Goal and Introduction     Att. D-6, Spec. 5.2	Many	<ul> <li>Implementation of SSMP as "living document"</li> <li>Enforcement of development, update, and implementation</li> <li>Narratives for regulatory context, assets, updated sewer map(s)</li> </ul>
2. Organization Provision D.13(ii)	2. Organization Attachment D-6	Few	Name of Legally Responsible Official
Legal Authority     Provision D.13 (iii)	Legal Authority     Attachment D-6	Few	<ul> <li>Collaboration with storm drain agencies</li> <li>Easement accessibility agreements</li> </ul>
4. O/M Program Provision D.13 (iv)	4. O/M Program  Attachment D-6	Many	<ul> <li>Procedures for maintaining/providing Water Board access to sewer map(s)</li> <li>Enhanced training on WDR, drills/skilled volume estimations, CIWQS reporting</li> <li>Scheduling system enhancements for problem/root-prone areas</li> </ul>
5. Design and Performance Provisions  Provision D.13 (v)	5. Design and Performance Provisions  Attachment D-6	Few	• Few





2006 WDR (rescinded)	2022 WDR (current)	2022 Changes	Key 2022 Changes for SSMP Development/Updates
1. Goal Provision D.13(i)	Goal and Introduction     Att. D-6, Spec. 5.2	Many	<ul> <li>Implementation of SSMP as "living document"</li> <li>Enforcement of development, update, and implementation</li> <li>Narratives for regulatory context, assets, updated sewer map(s)</li> </ul>
2. Organization Provision D.13(ii)	2. Organization Attachment D-6	Few	Name of Legally Responsible Official
Legal Authority     Provision D.13 (iii)	3. Legal Authority Attachment D-6	Few	Collaboration with storm drain agencies     Easement accessibility agreements
4. O/M Program Provision D.13 (iv)	4. O/M Program  Attachment D-6	Many	<ul> <li>Procedures for maintaining/providing Water Board access to sewer map(s)</li> <li>Enhanced training on WDR, drills/skilled volume estimations, CIWQS reporting</li> <li>Scheduling system enhancements for problem/root-prone areas</li> </ul>
5. Design and Performance Provisions Provision D.13 (v)	5. Design and Performance Provisions Attachment D-6	Few	• Few
Overflow Emergency     Response Plan     Provision D.13 (vi)	6. Spill Emergency Response Plan Attachment D-6	Many	<ul> <li>Staff/contractor requirements for implementation, removing/cleaning sewage from drainage conveyance systems not impacting beneficial uses/receiving waters</li> <li>Coordination/collaboration with storm drain agencies (prior, during, after) spills</li> <li>Post-spill assessments, annual assessment, implement containment tech/practices</li> </ul>



2006 WDR (rescinded)	2022 WDR (current)	2022 Changes	Key 2022 Changes for SSMP Development/Updates
1. Goal Provision D.13(j)	Goal and Introduction     Att. D-6, Spec. 5.2	Many	<ul> <li>Implementation of SSMP as "living document"</li> <li>Enforcement of development, update, and implementation</li> <li>Narratives for regulatory context, assets, updated sewer map(s)</li> </ul>
2. Organization Provision D.13(ii)	2. Organization Attachment D-6	Few	Name of Legally Responsible Official
3. Legal Authority Provision D.13 (iii)	Legal Authority     Attachment D-6	Few	<ul> <li>Collaboration with storm drain agencies</li> <li>Easement accessibility agreements</li> </ul>
4. O/M Program Provision D.13 (iv)	4. O/M Program Attachment D-6	Many	<ul> <li>Procedures for maintaining/providing Water Board access to sewer map(s)</li> <li>Enhanced training on WDR, drills/skilled volume estimations, CIWQS reporting</li> <li>Scheduling system enhancements for problem/root-prone areas</li> </ul>
5. Design and Performance Provisions  Provision D.13 (v)	5. Design and Performance Provisions Attachment D-6	Few	• Few
6. Overflow Emergency Response Plan Provision D.13 (vi)	6. Spill Emergency Response Plan Attachment D-6	Many	<ul> <li>Staff/contractor requirements for implementation, removing/cleaning sewage from drainage conveyance systems not impacting beneficial uses/receiving waters</li> <li>Coordination/collaboration with storm drain agencies (prior, during, after) spills</li> <li>Post-spill assessments, annual assessment, implement containment tech/practices</li> </ul>
7. Fats, Oils, and Grease Control Program Provision D.13 (vii)	7. Sewer Pipe Blockage Control Program Attachment D-6	Few	Plan/schedule for pipe-blocking substances     Commercial controls/authority to inspect, "hot spot" program, source controls



20	006 WDR (rescinded)	2022 WDR (current)	2022 Changes	Key 2022 Changes for SSMP Development/Updates
1.	Goal Provision D.13(j)	Goal and Introduction     Att. D-6, Spec. 5.2	Many	<ul> <li>Implementation of SSMP as "living document"</li> <li>Enforcement of development, update, and implementation</li> <li>Narratives for regulatory context, assets, updated sewer map(s)</li> </ul>
2.	Organization Provision D.13(ii)	2. Organization Attachment D-6	Few	Name of Legally Responsible Official
3.	Legal Authority Provision D.13 (iii)	Legal Authority     Attachment D-6	Few	Collaboration with storm drain agencies     Easement accessibility agreements
4.	O/M Program Provision D.13 (iv)	4. O/M Program  Attachment D-6	Many	<ul> <li>Procedures for maintaining/providing Water Board access to sewer map(s)</li> <li>Enhanced training on WDR, drills/skilled volume estimations, CIWQS reporting</li> <li>Scheduling system enhancements for problem/root-prone areas</li> </ul>
5.	Design and Performance Provisions Provision D.13 (v)	5. Design and Performance Provisions <u>Attachment D-6</u>	Few	• Few
6.	Overflow Emergency Response Plan <u>Provision D.13 (vi)</u>	Spill Emergency Response     Plan     Attachment D-6	Many	<ul> <li>Staff/contractor requirements for implementation, removing/cleaning sewage from drainage conveyance systems not impacting beneficial uses/receiving waters</li> <li>Coordination/collaboration with storm drain agencies (prior, during, after) spills</li> <li>Post-spill assessments, annual assessment, implement containment tech/practices</li> </ul>
7.	Fats, Oils, and Grease Control Program Provision D.13 (vii)	7. Sewer Pipe Blockage Control Program Attachment D-6	Few	Plan/schedule for pipe-blocking substances     Commercial controls/authority to inspect, "hot spot" program, source controls
8.	System Evaluation and Capacity Assurance Plan Provision D.13 (viii)	8. System Evaluation, Capacity Assurance, and Capital Improvements Attachment D-6	Many	<ul> <li>Implementation of capital improvements</li> <li>Identify/justify and prioritize specific system areas (high env. consequences/areas, new surface waters, steep terrain, high groundwater, near surface waters), exfiltration, recordkeeping enhancements, assets vulnerable to climate impacts.</li> <li>More information for capacity assessments, inspections, audits</li> <li>Capacity of flood-prone systems subject to inflow/infiltration</li> <li>Increases in erosive forces, pumping redundancy, prioritization of corrective actions</li> <li>Enhanced coordination (operations/maintenance/engineering, other utilities)</li> </ul>



2006 WDR (rescinded)	2022 WDR (current)	2022 Changes	Key 2022 Changes for SSMP Development/Updates
1. Goal Provision D.13(j)	Goal and Introduction     Att. D-6, Spec. 5.2	Many	<ul> <li>Implementation of SSMP as "living document"</li> <li>Enforcement of development, update, and implementation</li> <li>Narratives for regulatory context, assets, updated sewer map(s)</li> </ul>
2. Organization Provision D.13(ii)	2. Organization Attachment D-6	Few	Name of Legally Responsible Official
3. Legal Authority Provision D.13 (iii)	3. Legal Authority Attachment D-6	Few	Collaboration with storm drain agencies     Easement accessibility agreements
4. O/M Program Provision D.13 (iv)	4. O/M Program Attachment D-6	Many	<ul> <li>Procedures for maintaining/providing Water Board access to sewer map(s)</li> <li>Enhanced training on WDR, drills/skilled volume estimations, CIWQS reporting</li> <li>Scheduling system enhancements for problem/root-prone areas</li> </ul>
5. Design and Performance Provisions  Provision D.13 (v)	5. Design and Performance Provisions Attachment D-6	Few	• Few
6. Overflow Emergency Response Plan Provision D.13 (vi)	6. Spill Emergency Response Plan Attachment D-6	Many	<ul> <li>Staff/contractor requirements for implementation, removing/cleaning sewage from drainage conveyance systems not impacting beneficial uses/receiving waters</li> <li>Coordination/collaboration with storm drain agencies (prior, during, after) spills</li> <li>Post-spill assessments, annual assessment, implement containment tech/practices</li> </ul>
7. Fats, Oils, and Grease Control Program Provision D.13 (vii)	7. Sewer Pipe Blockage Control Program Attachment D-6	Few	<ul> <li>Plan/schedule for pipe-blocking substances</li> <li>Commercial controls/authority to inspect, "hot spot" program, source controls</li> </ul>
8. System Evaluation and Capacity Assurance Plan Provision D.13 (viii)	8. System Evaluation, Capacity Assurance, and Capital Improvements Attachment D-6	Many	<ul> <li>Implementation of capital improvements</li> <li>Identify/justify and prioritize specific system areas (high env. consequences/areas, new surface waters, steep terrain, high groundwater, near surface waters), exfiltration, recordkeeping enhancements, assets vulnerable to climate impacts.</li> <li>More information for capacity assessments, inspections, audits</li> <li>Capacity of flood-prone systems subject to inflow/infiltration</li> <li>Increases in erosive forces, pumping redundancy, prioritization of corrective actions</li> </ul>

Few

9. Monitoring, Measurement, and Program Modifications

Attachment D-6

9. Monitoring, Measurement, and Program Modifications

Provision D.13 (ix)

• Enhanced coordination (operations/maintenance/engineering, other utilities)

Adaptive management/implementation effectiveness (Key Performance Indicators)
 Update plan procedures/activities based on monitoring/performance evaluations.



20	006 WDR (rescinded)	2022 WDR (current)	2022 Changes	Key 2022 Changes for SSMP Development/Updates
1.	Goal Provision D.13(j)	Goal and Introduction     Att. D-6, Spec. 5.2	Many	<ul> <li>Implementation of SSMP as "living document"</li> <li>Enforcement of development, update, and implementation</li> <li>Narratives for regulatory context, assets, updated sewer map(s)</li> </ul>
2.	Organization Provision D.13(ii)	2. Organization <u>Attachment D-6</u>	Few	Name of Legally Responsible Official
3.	Legal Authority Provision D.13 (iii)	3. Legal Authority Attachment D-6	Few	Collaboration with storm drain agencies     Easement accessibility agreements
4.	O/M Program Provision D.13 (iv)	4. O/M Program  Attachment D-6	Many	<ul> <li>Procedures for maintaining/providing Water Board access to sewer map(s)</li> <li>Enhanced training on WDR, drills/skilled volume estimations, CIWQS reporting</li> <li>Scheduling system enhancements for problem/root-prone areas</li> </ul>
5.	Design and Performance Provisions Provision D.13 (v)	5. Design and Performance Provisions <u>Attachment D-6</u>	Few	• Few
6.	Overflow Emergency Response Plan Provision D.13 (vi)	6. Spill Emergency Response Plan Attachment D-6	Many	<ul> <li>Staff/contractor requirements for implementation, removing/cleaning sewage from drainage conveyance systems not impacting beneficial uses/receiving waters</li> <li>Coordination/collaboration with storm drain agencies (prior, during, after) spills</li> <li>Post-spill assessments, annual assessment, implement containment tech/practices</li> </ul>
7.	Fats, Oils, and Grease Control Program Provision D.13 (vii)	7. Sewer Pipe Blockage Control Program Attachment D-6	Few	<ul> <li>Plan/schedule for pipe-blocking substances</li> <li>Commercial controls/authority to inspect, "hot spot" program, source controls</li> </ul>
8.	System Evaluation and Capacity Assurance Plan Provision D.13 (viii)	8. System Evaluation, Capacity Assurance, and Capital Improvements  Attachment D-6	Many	<ul> <li>Implementation of capital improvements</li> <li>Identify/justify and prioritize specific system areas (high env. consequences/areas, new surface waters, steep terrain, high groundwater, near surface waters), exfiltration, recordkeeping enhancements, assets vulnerable to climate impacts.</li> <li>More information for capacity assessments, inspections, audits</li> <li>Capacity of flood-prone systems subject to inflow/infiltration</li> </ul>

Few

Few

9. Monitoring, Measurement,

Provision D.13 (ix)

10. Sewer System

**Audits** 

and Program Modifications

Management Plan Program

9. Monitoring, Measurement,

Attachment D-6

Attachment D-6

10. Internal Audits

and Program Modifications

• Increases in erosive forces, pumping redundancy, prioritization of corrective actions

• Adaptive management/implementation effectiveness (Key Performance Indicators)

• SSMP Audits must be completed every 3 years (vs. every 2 years under previous WDR)

• Update plan procedures/activities based on monitoring/performance evaluations.

• Enhanced coordination (operations/maintenance/engineering, other utilities)

and certified and uploaded by the Legally Responsible Official to CIWQS.





20	006 WDR (rescinded)	202	22 WDR (current)	2022 Changes	Key 2022 Changes for SSMP Development/Updates
1.	Goal	1.	Goal and Introduction	Many	Implementation of SSMP as "living document"
	Provision D.13(i)		Att. D-6, Spec. 5.2		Enforcement of development, update, and implementation
					Narratives for regulatory context, assets, updated sewer map(s)
2.	Organization	2.	Organization	Few	Name of Legally Responsible Official
	Provision D.13(ii)		Attachment D-6		
3.		3.	,	Few	Collaboration with storm drain agencies
	Provision D.13 (iii)		Attachment D-6		Easement accessibility agreements
4.	O/M Program	4.	• •	Many	Procedures for maintaining/providing Water Board access to sewer map(s)
	Provision D.13 (iv)		Attachment D-6		Enhanced training on WDR, drills/skilled volume estimations, CIWQS reporting
					Scheduling system enhancements for problem/root-prone areas
5.	Design and Performance	5.	Design and Performance	Few	• Few
	Provisions		Provisions		
	Provision D.13 (v)		Attachment D-6		
6.	Overflow Emergency Response Plan	6.	Spill Emergency Response Plan	Many	Staff/contractor requirements for implementation, removing/cleaning sewage from
	Provision D.13 (vi)		Attachment D-6		drainage conveyance systems not impacting beneficial uses/receiving waters
	FIOVISION D. 13 (VI)		Attachment D-0		Coordination/collaboration with storm drain agencies (prior, during, after) spills  Post and the property of the property
_	5 · 0" 10	_	0 P: Pl l	F	Post-spill assessments, annual assessment, implement containment tech/practices
7.	Fats, Oils, and Grease Control Program	7.	Sewer Pipe Blockage Control Program	Few	Plan/schedule for pipe-blocking substances
	Provision D.13 (vii)		Attachment D-6		Commercial controls/authority to inspect, "hot spot" program, source controls
8.	System Evaluation and	8.		Many	Implementation of capital improvements
0.	Capacity Assurance Plan	0.	Capacity Assurance, and	,	Identify/justify and prioritize specific system areas (high env. consequences/areas, new
	Provision D.13 (viii)		Capital Improvements		surface waters, steep terrain, high groundwater, near surface waters), exfiltration,
			Attachment D-6		recordkeeping enhancements, assets vulnerable to climate impacts.
					More information for capacity assessments, inspections, audits
					Capacity of flood-prone systems subject to inflow/infiltration
					Increases in erosive forces, pumping redundancy, prioritization of corrective actions
					Enhanced coordination (operations/maintenance/engineering, other utilities)
9.	Monitoring, Measurement,	9.	Monitoring, Measurement,	Few	Adaptive management/implementation effectiveness (Key Performance Indicators)
	and Program Modifications		and Program Modifications		Update plan procedures/activities based on monitoring/performance evaluations.
	Provision D.13 (ix)		Attachment D-6	_	
10.	Sewer System  Management Plan Program	10	. Internal Audits	Few	SSMP Audits must be completed every 3 years (vs. every 2 years under previous WDR)  and partified and unleaded by the Legally Pagenerality Official to CIWOS
	Audits		Attachment D-6		and certified and uploaded by the Legally Responsible Official to CIWQS.
11	Communication Program	11	. Communication Program	Few	Enhanced communications procedures (public/owners/operators connected to sewers)
					- Emigneed communications procedures (public/owners/operators connected to sewers)

## 1.INTRO & REVIEW



2006 WDR (rescinded)	2022 WDR (current)	# of Changes	Key 2022 Changes for SSMP Development/Updates
Legally Responsible Official	Designation of LRO Spec. 5.1 (pg. 18)	Major	<ul> <li>Legally Responsible Official must have authority to ensure compliance, authority over management of the entire sewer system, and authorized to make managerial decisions governing operations, capital improvements, and ensuring long-term environmental compliance.</li> <li>Legally Responsible Official must possess recognized degree/certificate for O/O of sewer systems and/or professional training and experience demonstrated through extensive knowledge, training, and experience</li> </ul>

2006 WDR (rescinded)	2022 WDR (current)	# of Changes	Key 2022 Changes for SSMP Development/Updates
Legally Responsible Official	Designation of LRO Spec. 5.1 (pg. 18)	Major	<ul> <li>Legally Responsible Official must have authority to ensure compliance, authority over management of the entire sewer system, and authorized to make managerial decisions governing operations, capital improvements, and ensuring long-term environmental compliance.</li> <li>Legally Responsible Official must possess recognized degree/certificate for O/O of sewer</li> </ul>
			systems and/or professional training and experience demonstrated through extensive knowledge, training, and experience
SSMP Development and Implementation Provision D.11 (pg. 9)	SSMP Development and Implementation Spec. 5.2 (pgs. 18-19)	Major	<ul> <li>Agencies must develop and implement an SSMP (ensuring adequate funding/management, matching size, scale and complexity, procedures for management operation, maintenance, prioritization of system repairs and maintenance, implementation of current standard industry practices through available equipment, technologies, and strategies)."</li> </ul>

2006 WDR (rescinded)	2022 WDR (current)	# of Changes	Key 2022 Changes for SSMP Development/Updates
Legally Responsible Official	Designation of LRO Spec. 5.1 (pg. 18)	Major	<ul> <li>Legally Responsible Official must have authority to ensure compliance, authority over management of the entire sewer system, and authorized to make managerial decisions governing operations, capital improvements, and ensuring long-term environmental compliance.</li> </ul>
			<ul> <li>Legally Responsible Official must possess recognized degree/certificate for O/O of sewer systems and/or professional training and experience demonstrated through extensive knowledge, training, and experience</li> </ul>
SSMP Development and Implementation Provision D.11 (pg. 9)	SSMP Development and Implementation Spec. 5.2 (pgs. 18-19)	Major	<ul> <li>Agencies must develop and implement an SSMP (ensuring adequate funding/management, matching size, scale and complexity, procedures for management operation, maintenance, prioritization of system repairs and maintenance, implementation of current standard industry practices through available equipment, technologies, and strategies)."</li> </ul>
Certification of System Management Plan + Updates Provision D.14 (pg. 15)	Certification of SSMP and Updates Spec. 5.3 (pg. 19)	Major	Legally Responsible Official must certify/upload SSMPs to CIWQS.

2006 WDR (rescinded)	2022 WDR (current)	# of Changes	Key 2022 Changes for SSMP Development/Updates
Legally Responsible Official	Designation of LRO Spec. 5.1 (pg. 18)	Major	<ul> <li>Legally Responsible Official must have authority to ensure compliance, authority over management of the entire sewer system, and authorized to make managerial decisions governing operations, capital improvements, and ensuring long-term environmental compliance.</li> <li>Legally Responsible Official must possess recognized degree/certificate for O/O of sewer systems and/or professional training and experience demonstrated through extensive knowledge, training, and experience</li> </ul>
SSMP Development and Implementation Provision D.11 (pg. 9)	SSMP Development and Implementation Spec. 5.2 (pgs. 18-19)	Major	<ul> <li>Agencies must develop and implement an SSMP (ensuring adequate funding/management, matching size, scale and complexity, procedures for management, operation, maintenance, prioritization of system repairs and maintenance, implementation of current standard industry practices through available equipment, technologies, and strategies)."</li> </ul>
Certification of System Management Plan + Updates Provision D.14 (pg. 15)	Certification of SSMP and Updates Spec. 5.3 (pg. 19)	Major	Legally Responsible Official must certify/upload SSMPs to CIWQS.
SSMP Internal Audits Provision D.13(x) (pg. 14)	SSMP Development and Update	Minor	Agencies must conduct Audits of their SSMPs including implementation every 3 years (vs. every 2 years under 2006 WDR).
	Spec. 5.4 (pgs. 19-20)		<ul> <li>Within 6 months after the end of the required 3- year Audit period, the agency Legally Responsible Official shall submit the Audit report into the online CIWQS database per requirements of section 3.10 of Attachment E1 of the Reissued WDR). Audit reports will only be viewable publicly in CIWQS by Water Board staff.</li> </ul>
			<ul> <li>Audits must: 1) be sized/scaled to system, 2) evaluate implementation and effectiveness of SSMP in preventing spills, 3) identify necessary modifications to SSMP for correcting deficiencies, and 4) include a proposed schedule for correcting deficiencies.</li> </ul>

2006 WDR (rescinded)	2022 WDR (current)	# of Changes	Key 2022 Changes for SSMP Development/Updates
Legally Responsible Official	Designation of LRO Spec. 5.1 (pg. 18)	Major	<ul> <li>Legally Responsible Official must have authority to ensure compliance, authority over management of the entire sewer system, and authorized to make managerial decisions governing operations, capital improvements, and ensuring long-term environmental compliance.</li> <li>Legally Responsible Official must possess recognized degree/certificate for O/O of sewe systems and/or professional training and experience demonstrated through extensive knowledge, training, and experience</li> </ul>
SSMP Development and Implementation Provision D.11 (pg. 9)	SSMP Development and Implementation Spec. 5.2 (pgs. 18-19)	Major	<ul> <li>Agencies must develop and implement an SSMP (ensuring adequate funding/management, matching size, scale and complexity, procedures for management operation, maintenance, prioritization of system repairs and maintenance, implementation of current standard industry practices through available equipment, technologies, and strategies)."</li> </ul>
Certification of System Management Plan + Updates Provision D.14 (pg. 15)	Certification of SSMP and Updates Spec. 5.3 (pg. 19)	Major	Legally Responsible Official must certify/upload SSMPs to CIWQS.
SSMP Internal Audits Provision D.13(x) (pg. 14)	SSMP Development and Update Spec. 5.4 (pgs. 19-20)	Minor	<ul> <li>Agencies must conduct Audits of their SSMPs including implementation every 3 years (vs. every 2 years under 2006 WDR).</li> <li>Within 6 months after the end of the required 3- year Audit period, the agency Legally Responsible Official shall submit the Audit report into the online CIWQS database per requirements of section 3.10 of Attachment E1 of the Reissued WDR). Audit reports will only be viewable publicly in CIWQS by Water Board staff.</li> <li>Audits must: 1) be sized/scaled to system, 2) evaluate implementation and effectivenes.</li> </ul>
SSMP Updates	Six-Year SSMP Update	Minor	of SSMP in preventing spills, 3) identify necessary modifications to SSMP for correcting deficiencies, and 4) include a proposed schedule for correcting deficiencies.  • Agencies must update their SSMPs and include a summary of revisions based on Audit

2006 WDR (rescinded)	2022 WDR (current)	# of Changes	Key 2022 Changes for SSMP Development/Updates
Legally Responsible Official	Designation of LRO Spec. 5.1 (pg. 18)	Major	<ul> <li>Legally Responsible Official must have authority to ensure compliance, authority over management of the entire sewer system, and authorized to make managerial decisions governing operations, capital improvements, and ensuring long-term environmental compliance.</li> <li>Legally Responsible Official must possess recognized degree/certificate for O/O of sewer systems and/or professional training and experience demonstrated through extensive knowledge, training, and experience</li> </ul>
SSMP Development and Implementation Provision D.11 (pg. 9)	SSMP Development and Implementation Spec. 5.2 (pgs. 18-19)	Major	<ul> <li>Agencies must develop and implement an SSMP (ensuring adequate funding/management, matching size, scale and complexity, procedures for management operation, maintenance, prioritization of system repairs and maintenance, implementation of current standard industry practices through available equipment, technologies, and strategies)."</li> </ul>
Certification of System Management Plan + Updates Provision D.14 (pg. 15)	Certification of SSMP and Updates Spec. 5.3 (pg. 19)	Major	Legally Responsible Official must certify/upload SSMPs to CIWQS.
SSMP Internal Audits Provision D.13(x) (pg. 14)	SSMP Development and Update Spec. 5.4 (pgs. 19-20)	Minor	<ul> <li>Agencies must conduct Audits of their SSMPs including implementation every 3 years (vs. every 2 years under 2006 WDR).</li> <li>Within 6 months after the end of the required 3- year Audit period, the agency Legally Responsible Official shall submit the Audit report into the online CIWQS database per requirements of section 3.10 of Attachment E1 of the Reissued WDR). Audit reports will only be viewable publicly in CIWQS by Water Board staff.</li> <li>Audits must: 1) be sized/scaled to system, 2) evaluate implementation and effectiveness of SSMP in preventing spills, 3) identify necessary modifications to SSMP for correcting deficiencies, and 4) include a proposed schedule for correcting deficiencies.</li> </ul>
SSMP Updates Provision D.14 (pg. 15)	Six-Year SSMP Update Spec. 5.5 (pgs. 21)	Minor	<ul> <li>Agencies must update their SSMPs and include a summary of revisions based on Audit findings every 6 years (vs. every 5 years under 2006 WDR).</li> </ul>
N/A	System Resilience Spec 5.6 (pg. 22)	N/A	Agencies must include and implement system-specific procedures to proactively prioritize O/M, condition assessments, and repair/rehabilitation.





#### **ELEMENT 1: Goal & Intro**

 Attachment D, Section 1(Goal/Intro), Specifications 5.2 (Develop/Implement Sewer System Management Plan)

### **Expected (help for managers):**

- How to showcase agency goals
- Document work programs
- Document changes to demonstrate improvements to system
- MEASURING EFFECTIVENESS
- RESILIENCE

- Failure to establish goals, dedicate system resources, funding
- Failure to describe system/unique attributes
- Failure to conduct timely quality SSMP audits that measure SSMP effectiveness (compliance checks are much easier to do and what is typically done)
- Failure to provide specific repair, rehabilitation, capital resources and program descriptions and schedules





### 2.SSMP BEST PRACTICES

#### **ELEMENT 1: Goal & Intro**

 Attachment D, Section 1(Goal/Intro), Specifications 5.2 (Develop/Implement Sewer System Management Plan)

#### **COMMENTS:**

 Extremely long document for anyone to review and demonstrate City compliance

#### **SUGGESTIONS:**

- Imbed a new Change Log to the first page
- Add new intro letter from lead author(s) describing what has changed to introduce to board to ensure smooth review (see example of ours below)
- Showcase SSMP organization up front
- Add more narrative on compliance (see our example below)
- Add CS performance summary and SWRCB deadlines from CIWQS (see our example below)
- Add photos throughout especially with staff in them to customize/personalize content
- Any unique challenges to describe? Add in Element
- Add unique SSMP responsibility table/contacts (see our example below)

We are pleased to present the new 2025 Sewer System Management Plan (SSMP) Update developed in partnership with the Garden Grove Sanitary District or City management. The 2025 Update meets and exceeds compliance with the Reissued WDR (State Water Board, Water Quality Order No. 2022-0103-DWQ, Attachment D-10 and Specifications 5.4). The 2025 SSMP has been completely revised to harmonize with industry standard guidelines and incorporates the latest SSMP Audit findings.

The 2025 SSMP is a declaration of what the City is doing to demonstrate full compliance with the Reissued WDR. Attachment A of the Reissued WDR (page A-4), states "A sewer system management plan is a living document which requires the City to Enrollee develops and implements to effectively manage its sanitary sewer system(s) in accordance with this General Order." This requires the City to periodically review and update the SSMP as necessary until its next required 6-year SSMP Update is completed.

We look forward to assisting the City wherever necessary to fully implementation its new 2025 SSMP Update.

Sincerely,

James Fischer, P.E.

Principal, Fischer Compliance LLC

Credentialed U.S. EPA NPDES Compliance Inspector



#### 2.SSMP BEST PRACTICES

SEARCH CRITERIA: [REFINE SEARCH] [NEW SEARCH] [GLOSSAR

WDID (10574)

Date Range: Start\_Date (04/01/2020) End\_Date (04/01/2025)

DRILLDOWN HISTORY: [GO BACK TO LISTING OF COLLECTION SYSTEMS]

Garden Grove City CS

Agency: Garden Grove Sanitary District

#### **General Information**

- +

 Region
 Place ID
 Place Name
 CS Category
 Place Address
 Place County

 8
 256400
 Garden Grove City CS
 Municipal(Public)
 13802 Newhope Garden Grove CA 92843
 Orange

#### **Collection System Spill Summary**

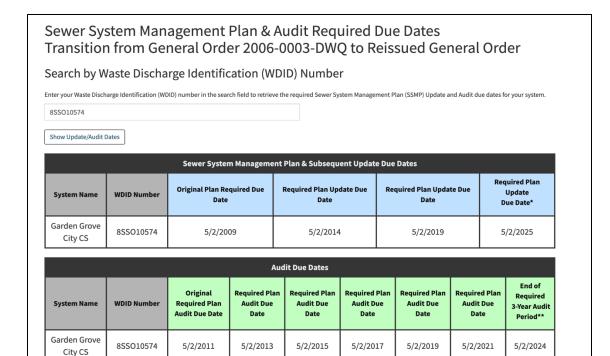
#### Operational Indices: Garden Grove City CS

Spill Rate Indice (spills/100mi/yr)								
	Category 1			Category 2		Category 3		
	Main System	Laterals	Other	Main System	Other	Main System	Other	
Garden Grove City CS	0.06	N/A	0.0	0.0	0.0	0.72	0.0	
State Municipal(Public) Average	1.7	N/A	0.99	0.91	1.5	2.36	0.46	
Region Municipal Average	0.32	N/A	0.1	0.4	0.68	0.57	0.38	

Net Volume Spills Indice (gallons/1000 Capita/yr)								
	Category 1			Category 2		Category 3		
	Main System	Laterals	Other	Main System	Other	Main System	Other	
Garden Grove City CS	0.07	N/A	0.0	0.0	0.0	0.0	0.0	
State Municipal(Public) Average	<u>3568.5</u>	N/A	2001.2	170.74	1274.98	47.87	16.65	
Region Municipal Average	<u>72.1</u>	N/A	24.18	30.68	103.7	1.12	0.1	



#### 2.SSMP BEST PRACTICES



\*\* Per Section 5.4 and Attachment E1, Section 3.10 of the General Order, the Audit Report is due within six months after the end of the required 3-year audit period.







### 2.SSMP BEST PRACTICES

# COMMENTS & SUGGESTIONS

The City is committed to fully implementing the WDR<sup>[1]</sup> which includes addressing all requirements by integrating a wide range of programs specifically designed for ensuring the integrity and efficiency of the City's sanitary sewer collection system. Moreover, the City is dedicated to maintaining its collection system in a systematic manner by implementing various work programs, with a focus on critical areas, to prevent spills, allowing for a comprehensive approach to maintenance. Work programs include CCTV inspections, pipe cleaning, manhole inspections, lift station maintenance, root control, source control and pipe repair, just to name a few. Work programs are described in more detail in sections Specifications 5.19 Operation and Maintenance of this SSMP.

By prioritizing proactive measures and taking a comprehensive approach, the City is well-equipped with a proven track record of effectively operating its sanitary sewer collection system with the highest levels of service, complying with the WDR, and reducing/eliminating sewage spills.





### **ELEMENT 2: Organization**

Attachment D, Section 2 (Org.), Specifications. 5.1 (Designation of LRO and Data Submitter(s))

### **Expected (help for managers):**

- Showcase agency staffing, lines of authority, and specific responsibilities for SSMP compliance and implementation
- MEASURING EFFECTIVENESS
- RESILIENCE

- Failure to establish specific staffing and resources for SSMP
- Failure to measure effectiveness (changes to improve, processes/procedures to implement SSMP
- Failure to test/update chain of communication for spills





### **ELEMENT 2: Organization**

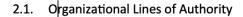
• Attachment D, Section 2 (Org.), Specifications. 5.1 (Designation of LRO and Data Submitter(s))

### **COMMENTS:**

Good organization

#### **SUGGESTIONS:**

- Improve SSMP responsibilities/contact info (see example below)
- Improve chain of communication procedures description (see below)



	Board of Directors/	Water Services	Sanitation	Public Works	Field
Task	District Manager	Manager	Supervisor	Foreman	Crews
SSMP Development Plan					
and Schedule	Reviews, Approves				
Legal Authority	Reviews, Approves	Oversees			
Final SSMP Document	Reviews, Approves	Oversees			
Sewer Funding Plan	Reviews, Approves	Oversees			
Goals of SSMP	Implements	Oversees			
Organization of SSMP	Reviews, Approves	Oversees	Participates		
Up to Date Map of	, ,,				
Collection System,					
Pumping Facilities, and					
Stormwater Conveyances		Oversees	Participates	Participates	
System Evaluation and					
Capacity Assurance Plan		Oversees	Participates		
Sewer System					
Rehabilitation Plan		Participates	Oversees	Participates	
FOG Outreach		Participates	Oversees	Participates	
Plan for FOG Disposal		Participates	Oversees	Participates	
FOG Source Control					
Measures		Participates	Oversees	Participates	
Design and Construction					
Standards		Oversees	Participates		
Procedures and Standards					
for Inspection and Testing		0,000000	Participates	Dortininatas	
		Oversees	•	Participates	
SSMP Monitoring		Participates	Participates	Participates	
SSMP Internal Audits		Oversees	Participates	Participates	
SSMP Program Updates			Participates	Participates	
SSMP Communication					
Program Overflow Emergency		Oversees			
Response Plan			Outroop	Participates	Implemente
Operation and			Oversees	Participates	Implements
Maintenance Program		Participates	Oversees	Participates	Implements
CCTV Inspection and		1 articipates	Oversees	Tarticipates	implements
Condition Assesment			Oversees	Participates	
SSO Trend Maintenance			Oversees	Participates	
Staff Training Program			Oversees	Participates	
Equipment Inventory			Oversees	Participates	
Sanitary Sewer Overflows			Reports	Faiticipates	
CIP Plans, Specifications,			Reports		
and Estimate Standards		Oversees			
Construction Management		0.0.5005			
and Inspection Staff Work		Directs			









#### City Receives Call for Service

Service Calls during business hours are received by City Customer Service Team and are referred to the Supervising Lead Worker or Operations Supervisor for dispatch of the required maintenance staff and equipment. After hours calls are routed to the to Garden Grove Policy Department (GGPD). GGPD notifies Water Standby (Unit 506). Water Standby notifies GGSD Standby crew. Emergency Radio Communications Center who then directly notifies the City's on-call field operations staff. The call system has redundancy to ensure the call is received. The on-call field operations staff person is furnished with a City service truck and cell phone to facilitate a timely





#### City's Response to Spill Event

Response staff respond to all calls, assess the spill event, and take appropriate actions to mitigate the spill. All spill events are mitigated in accordance with the City's Spill Emergency Response Plan (SERP) and are documented in adherence to the WDR Notification, Monitoring, Reporting and Recordkeeping requirements. Response staff are trained and authorized to contact Cal-OES for spills anticipated to be 1000 gallons or greater.





#### City Reports Spill Event



The responding field staff submit the field report(s) to Supervising Lead Worker who reviews for completeness and accuracy and then confers with the Operations Supervisor as a layer of quality control. Engineering staff are involved in volumeand start time estimations. Prior to submitting the draft report to the CIWQS database, a spill event debriefing, involving response personnel, Director of Engineering and Operations and the Senior Civil Engineer, is held to thoroughly vet and finalize the draft report. The City's Legally Responsible Official certifies all spill reports.

Figure 2-3 - Chain of Communication for Reporting Spills



#### 2.SSMP BEST PRACTICES



### **ELEMENT 3: Legal Authority**

Attachment D, Section 3 (Legal Authority)

### **Expected (help for managers):**

- Reviewing/monitoring related applicable agency codes, standards, agreements for deficiencies
- MEMEASURING EFFECTIVENESS
- RESILIENCE

- Failure to review/edit/update appropriate codes, standards, agreements to ensure desired outcomes
- Failure to ensure necessary legal authority for easements, ensuring adequate access for cleanup/operations/maintenance

## **ELEMENT 3: Legal Authority**

Attachment D, Section 3 (Legal Authority)







### **ELEMENT 4: Operations and Maintenance Program**

 Attachment D, Section 4 (O/M, Training/Drills), Specifications: 5.7 (Necessary Resources), 5.19 (Proper O/M)

### **Expected (help for managers):**

- Updating/availability of maps
- Procedures for updating maps
- CMMS/monitoring for overdue/incomplete tasks, issues
- Training, competency checks for field staff
- Equipment/critical parts inventory
- MEASURING EFFECTIVENESS
- RESILIENCE

- Failure to establish procedures to update maps, implement O/M program (CCTV, cleaning)
- Lack of training program/documentation
- Failure to identify all critical spare/backup supplies and parts
- Failure to adapt O/M program based on actual experience/results

### **ELEMENT 4: Operations and Maintenance Program**

• Attachment D, Section 4 (O/M, Training/Drills), Specifications: 5.7 (Necessary Resources), 5.19 (Proper O/M)







### **ELEMENT 5: Design and Performance Provisions**

Attachment D, Section 5 (Design/Performance)

### **Expected (help for managers):**

- Current/updated agency standards
- Warranty inspections on new assets
- MEASURING EFFECTIVENESS
- RESILIENCE

- Failure to establish, maintain, sewer standards and procedures for inspections and testing
- Failure to enforce instances of noncompliance
- Failure to track/document deviations from standards

### **ELEMENT 5: Design and Performance Provisions**

Attachment D, Section 5 (Design/Performance)









### **ELEMENT 6: Spill Emergency Response Plan**

- Attachment D, Section 6 (Spill Emergency Response Plan), Specifications 5.12 (SERP/Remedial Actions)
- Attachment E-1 (Notification, Monitoring, Reporting, Recordkeeping)

### **Expected (help for managers):**

- Customized emergency planning and coordination (before/during/after spills, emergency preparedness posture, response, mitigation)
- Testing the plan
- Training on the plan
- MEASURING EFFECTIVENESS
- RESILIENCE

- Failure to establish the plan
- Failure to TEST, TRAIN, and USE plan
- Failure to notify
- Failure to recover sewage, cleanup storm drains

### **ELEMENT 6: Spill Emergency Response Plan**

- Attachment D, Section 6 (Spill Emergency Response Plan), Specifications 5.12 (SERP/Remedial Actions)
- Attachment E-1 (Notification, Monitoring, Reporting, Recordkeeping)







### **ELEMENT 7: Sewer Pipe Blockage Control Program**

Attachment D, Section 7 (Pipe Blockage Control Program)

### **Expected (help for managers):**

- Ensure program addresses systemspecific defects
- Schedules
- Monitoring
- Enforcing requirements
- MEASURING EFFECTIVENESS
- RESILIENCE

- Failure to ID system issues/needs for program
- Failure to implement necessary enforcement for FSE noncompliance
- Failure to establish public outreach program

## **ELEMENT 7: Sewer Pipe Blockage Control Program**

• Attachment D, Section 7 (Pipe Blockage Control Program)







### 2.SSMP BEST PRACTICES

### ELEMENT 8: System Evaluation, Capacity Assurance, Capital Improvements

- Attachment D, Section 8 (System Evaluation, Capacity Assurance, Capital Improvements)
- Specifications 5.6 (System Resilience)
- Specifications 5.10 (System Capacity)

### **Expected (help for managers):**

- Condition assessment "how to" (evaluate past performance, maintenance/repairs, age of system, etc.)
- Capacity assessment "how to"
- Capital Plan "how to"
- MEASURING EFFECTIVENESS
- RESILIENCE

- Failure to develop and implement requirements
- Failure to ID sections vulnerable to collapse, failure, blockages, capacity, etc.
- Failure to develop AND implement Capital Improvement Program
- Other guidance

### **ELEMENT 8: System Evaluation, Capacity Assurance, Capital Improvements**

- Attachment D, Section 8 (System Evaluation, Capacity Assurance, Capital Improvements)
- Specifications 5.6 (System Resilience)
- Specifications 5.10 (System Capacity)







### **ELEMENT 9: Monitoring, Measurement, Program Modifications**

- Attachment D, Section 9 (Monitoring, Measurement, Program Modifications)
- Specifications 5.11 (System Performance Analysis)

### **Expected:**

- Adaptive management best practices and processes ("how to")
- MEASURING EFFECTIVENESS
- RESILIENCE

### **Unexpected:**

- Failure to maintain required data for program assessments
- Failure to modify/change SSMP as necessary
- Failure to document changes in CHANGE LOG

### **ELEMENT 9: Monitoring, Measurement, Program Modifications**

- Attachment D, Section 9 (Monitoring, Measurement, Program Modifications)
- Specifications 5.11 (System Performance Analysis)







#### **ELEMENT 10: Internal Audits**

Attachment D, Section 10 (Internal Audits)

### **Expected:**

- SSMP Auditing procedures
- MEASURING EFFECTIVENESS
- RESILIENCE

### **Unexpected:**

- Failure to complete SSMP Audits as required
- Failure to MEASURE EFFECTIVENESS (not just compliance status) – early style checklist formats still largely in use do not meet standards

### **ELEMENT 10: Internal Audits**

Attachment D, Section 10 (Internal Audits)







### **ELEMENT 11: Communication**

Attachment D, Section 11 (Communication Program)

### **Expected:**

- External/satellite communications
- Public opportunities to comment

### **Unexpected:**

- Failure to communicate with satellites
- Failure to establish public process for input on SSMP





#### **ELEMENT 11: Communication**

Attachment D, Section 11 (Communication Program)

- Annual Report
- Spill Emergency Response Plan (SERP) COMPLIANCE WHEEL HANDOUT
- SSMP Audit
- SSMP Update
- Spill Documentation
- Standard Operating Procedure (SOP)
- Pump Station Emergency Response Plan (ERP)





#### 2.SSMP BEST PRACTICES

Annual Report

	L	M	N	0	Р	Q
	3SSO10332	3SSO10332	3SSO10332	3SSO10332	3SSO10332	3\$\$O10332
	3	3	3	3	3	3
	Active	Active	Active	Active	Active	Active
00 5,	/2019 2:05:30.000000	2/2020 1:58:36.000000	5/2021 11:05:49.00000	1/2022 7:15:37.000000	2/15/2022 9:49:15.000000 AM	3/6/23
	Municipal (Public)	Municipal (Public)	Municipal (Public)	Municipal (Public)	Municipal (Public)	Municipal (Public)
	44,513	45,742	46,454	47,374	47,374	46,451
	11,100,796	11,561,091	13,138,249	13,829,626	13,829,626	15,430,493
	7,496,523	13,298,196	19,056,599	13,706,786	13,706,786	15,967,800
	2	1	1	2	2	3
	8	8	8	9	9	9
	1	1	1	1	1	1
	1	1	1	1	1	1
	7	8	8	7	7	7
	0	0	0	0	0	0
	1	1	2	2	2	2
	0	0	0	0	0	0
	0	0	0	0	0	0
	1	1	1	1	1	0
	1	1	1	0	0	0
	0	0	0	0	0	0
	0	0	0	0	0	0
	0	0	1	1	1	1
	0	0	0	0	0	0
	3	4	4	4	4	3
	0	0	0	0	0	0
	36	36	36	36	36	36
	40	40	40	40	40	100
	18	18	18	18	18	40

• Spill Emergency Response Plan (SERP) – Compliance Tool Handout

No.	WDR	SERP Key Performance Indicators (KPIs)	Evaluation Frequency	Annual Success Rate (%)				
COMPLIA	COMPLIANCE POINT #1							
1.1	5.7	Annual Emergency Response Operations Expenditures vs. Budget Amount	Annual					
COMPLIA	NCE PC	DINT #2						
2.1	5.12	SERP Certified in Annual Report is Up to Date	Annual					
2.2	5.12	Annual Review/Assessment of SERP Completed by Required Due Date	Annual					
2.3	5.12	SERP Modifications Documented in Change Log	Each Modification					
2.4	5.12	Spill Volume Recovered and Properly Disposed vs. Total Volume Spilled	Annual					
2.5	ATT D-6	Cat. 1 Spills Prevented Due to Containment Operations vs. all Cat. 1 spills	Annual					
2.6	ATT D-6	Spill Volume Recovered from Drainage Conveyance Systems (DCS) vs. total volume entering DCS	Annual					
2.7	5.13	Response Time Goals Met (Response = Receipt of Call to operator arrival)	Annual					
COMPLIA	COMPLIANCE POINT #3							
3.1	5.13	Field Records Match Data Input into CIWQS (each Report)	Annual					
3.2	ATT D-6	Outside Agencies and Internal Contacts Up to Date	Annual					
3.3	ATT D-6	Cat. 1 Spills Requiring Water Quality Monitoring Sampled w/in 18 hours	Each Event					
3.4	ATT D-6	Compliance with Regulatory Reporting and Notification Deadlines	Annual					
3.5	ATT D-6	Field Data Collection Forms Verified for Completeness and Accuracy	Each Event					
3.6	ATT D-6	Spill Notifications from the Public and Remote Sites Functioned as Intended	Annual					

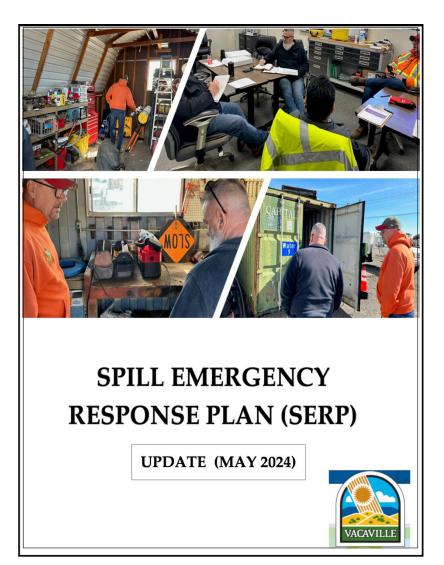






#### 2.SSMP BEST PRACTICES

• Spill Emergency Response Plan (SERP) – Compliance Tool Handout



### PART 1 (COMPLIANCE GUIDE) COMPLIANCE POINT #1.....

PLIANCE POINT #2-1	9
PLIANCE POINT #2-2	10
PLIANCE POINT #2-3	11
PLIANCE POINT #3	12
PLIANCE POINT #4	13
PLIANCE POINT #5-1	14
PLIANCE POINT #5-2	15
PLIANCE POINTS #6-1	15
PLIANCE POINT #6-2	16
PLIANCE POINT #6-3	16
PLIANCE POINT #6-4	17
PLIANCE POINT #6-5	17

#### **PART 2 (FIELD GUIDE)**

#### **LIST OF TABLES**

Table 1 - Summary of Applicable Spill Emergency Re	esponse Plan Requirements6
Table 2 – City spill data and compliance benchmarks	5





SSMP Audit

#### SSMP AUDIT FINDINGS

This section provides a high-level summary of the SSMP Audit findings (see Tables 1 and 2 below) for incorporation into the Agency's 2025 SSMP Update <u>due on or before 8/2/2025</u>. The summary provides quick-rererence details to all key Audit findings for management and staff to facilitate implementation for addressing all identified violations and areas of concern with the Reissued WDR.

Table 1 - Summary of Agency SSMP Audit Findings (Reissued WDR, ATTACHMENTS)

WDR Reqs.	Best Practices?		Audit References		Violations?		7		Audit References
Att. D-1	ß	1	<b>A</b>	2		0	See Element 1 Analysis/Findings and Appendix 1		
Att. D-2		0		0	4	1	See Element 2 Analysis/Findings and Appendix 1		
Att. D-3		0		0	A	1	See Element 3 Analysis/Findings and Appendix 1		
Att. D-4	ß	2		0	1	9	See Element 4 Analysis/Findings and Appendix 1		
Att. D-5		0		0		0	None		
Att. D-6	ß	1	<b>A</b>	1	4	1	See Element 6 Analysis/Findings and Appendix 1		
Att. D-7	ß	1		0	4	1	See Element 7 Analysis/Findings and Appendix 1		
Att. D-8		0		0	A	4	See Element 8 Analysis/Findings and Appendix 1		
Att. D-9		0		1		0	See Element 9 Analysis/Findings and Appendix 1		
Att. D-10		0	1	1		0	See Element 10 Analysis/Findings and Appendix 1		
Att. D-11	ß	1		0		0	None		
<u>Att. E1</u>		0	<b>A</b>	1		0	See E1 Analysis/Findings and Appendix 1		
Totals		6	<b>A</b>	5	4	17	See all Elements and Appendix 1		

### All Elements SAMPLE





SSMP Update

#### 1.1. Regulatory Context

**Element 1 SAMPLE** 

#### WDR REQUIREMENTS

#### Att. D-1.1 (pg. D-2)

"The Plan Introduction section providing a general description of the local sewer system management program and discuss Plan implementation and updates".

#### **COMPLIANCE**

The District is committed to fully implementing the WDR<sup>3</sup> which includes addressing all requirements by integrating a wide range of programs specifically designed for ensuring the integrity and efficiency of the District's sanitary sewer collection system. Moreover, the District is dedicated to maintaining its collection system in a systematic manner by implementing various work programs, with a focus on critical areas, to prevent spills, allowing for a comprehensive approach to maintenance. Work programs include CCTV inspections, pipe cleaning, manhole inspections, lift station maintenance, root control, source control and pipe repair, just to name a few. Work programs are described in more detail in the Specifications 5.19 Operation and Maintenance section of this SSMP.

By prioritizing proactive measures and taking a comprehensive approach, the District is well-equipped with a proven track record of effectively operating its sanitary sewer collection system with the highest levels of service, complying with the WDR, and reducing/eliminating sewage spills.





#### SSMP Update

#### IMPLEMENTATION PLAN/SCHEDULE

No.	Plan	Schedule	Responsible Party		
			Dir	Eng	Ops
.2.1	Prepare for next SSMP Audit	Begin 5/2/2027	x	×	x
.2.2	Complete and Upload SSMP audit.	By 11/2/2027	х	×	
1.2.3	Incorporate Audit Findings, update Change Log and Update SSMP	5/2/2031	х	х	
.2.4	Board Approval and LRO Certification of SSMP	By 5/2/2031	×	х	

#### 1.3. Sewer System Asset Overview

#### WDR REQUIREMENTS

#### Att. D-1.3 (pg. D-3)

"The Plan Introduction section must provide a description of the Enrollee-owned assets and service area, including but not limited to:

- a. Location, including county(ies).
- b. Service area boundary.
- c. Population and community served.
- d. System size, including total length in miles, length of gravity mainlines, length of pressurized (force) mains, and number of pump stations and siphons.
- e. Structures diverting stormwater to the sewer system.
- f. Data management systems.
- g. Sewer system ownership and operation responsibilities between Enrollee and private entities for upper and lower sewer laterals.
- h. Estimated number or percentage of residential, commercial, and industrial service connections; and
- i. Unique service boundary conditions and challenge(s).
- j. Additionally, the Plan Introduction section must provide reference to the Enrollee's up-to-date map of its sanitary sewer system, as required in section 4.1 (Updated Map of Sanitary Sewer System) of this Attachment."

#### COMPLIANCE

The District provides wastewater collection services to a 28.3- square mile service area that includes the Cities of Campbell and Monte Sereno; a portion of the City of Saratoga; the Town of Los Gatos; and the intervening unincorporated areas of Santa Clara County (See Figure 1, below), with a total population of 111,521. The District owns 9,471 gravity main segments totaling 415 miles (diameter range from 3 to 39 inch), approximately 29,100 laterals totaling 165 miles (diameter range 3 to 6 inch), three small pump stations, and 94 siphons.

The District does not have stormwater diversion structures.

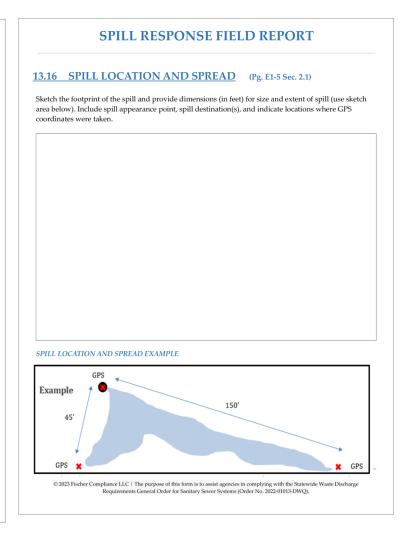
#### Element 1 SAMPLE

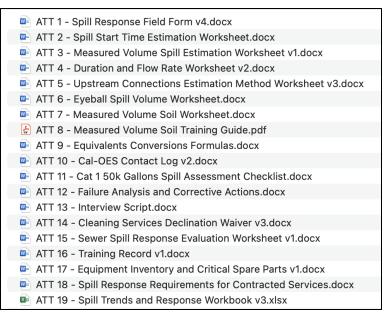


#### 2.SSMP BEST PRACTICES

Spill Documentation

#### SPILL RESPONSE FIELD REPORT TABLE OF CONTENTS 13.1 NOTIFICATION OF SPILL 13.2 CALLER INTERVIEW... 13.3 RESPOND/ASSESS ... 13.4 SPILL CATEGORY DETERMINATION .... 13.5 CONTAINMENT LOCATION... 13.6 CONTAINMENT METHOD... 13.7 FAILURE LOCATION... 13.8 SPILL APPEARANCE POINT(S) ...... 13.9 RESTORE FLOW... 13.11 SPILL RESPONSE ACTIVITIES ..... 13.12 FINAL SPILL DESTINATION.... 13.13 IMPACT TO RECEIVING WATERS... 13.14 ESTIMATED TRAVEL TIME TO RECEIVING WATERS ... 13.15 REQUIRED PHOTOS .... 13.16 SPILL LOCATION AND SPREAD ...... 13.17 SPILL VOLUME ESTIMATIONS...... 13.18 CLEANUP TIMELINE.. 13.19 CLEAN UP METHOD: ..... 13.20 DISPOSAL OF RECOVERED SEWAGE.. 13.21 REQUIRED PHOTOS. 13.22 RESPONSE COMPLETE.. ATT 1 - Spill Response Field Form v4 © 2023 Fischer Compliance LLC | The purpose of this form is to assist agencies in complying with the Statewide Waste Discharge Requirements General Order for Sanitary Sewer Systems (Order No. 2022-01013-DWQ).







2.SSMP BEST PRACTICES

Standard Operating Procedure (SOP)

Lift Station Name: Boyington	LS-02
Complete Lift Station Your Initials on the Log indicate you have co	
Weekly Wet Well Inspection	
□ Check for cleanliness - debris or excessive g     □ Inspect Slide Rail and lifting chain/cable for c     □ Inspect Discharge Piping for corrosion, leaks.     □ Inspect for infiltration     □ Inspect for Signs of High Water mark     □ Inspect wet well walls for evidence of corrosic     □ Inspect Hatch Cover/Access Door for     ○ Visually Inspect Flume for Obstructions     □ Damage     □ Hinges     □ Clasps or locking mechanism     □ Lift Assist or support mechanism	orrosion, damage, <u>etc</u> damage, etc.
Monthly Wet Well Cleaning (perform first week of the	month)
☐ Clean wet well using hydro-vac ☐ Use high-pressure hand gun to clean ☐ Pumps ☐ Pump cables ☐ Chains ☐ Discharge piping	
Weekly Pump Function Checks	
Test pumps in HAND using TCU & HOA's (Watch wa	ater level drop)
<ul> <li>☐ Test P1 Operation/Pump Down</li> <li>☐ Test P2 Operation/Pump Down</li> <li>☐ Check to see if Run Hours appear normal. (R pump)</li> </ul>	un time should be similar for each
Monthly Amp Check (perform first week of the month	)
☐ to be performed if Run Hours differ greatly be	tween pumps



#### 2.SSMP BEST PRACTICES

Pump Station Emergency Response Plan (ERP)

#### Santa Cruz County Sanitation District

Pump Station Emergency Response Plan



Aptos-Esplanade PS 104 Marina Ave SCCSD Pump Station ERP – Aptos Esplanade PS

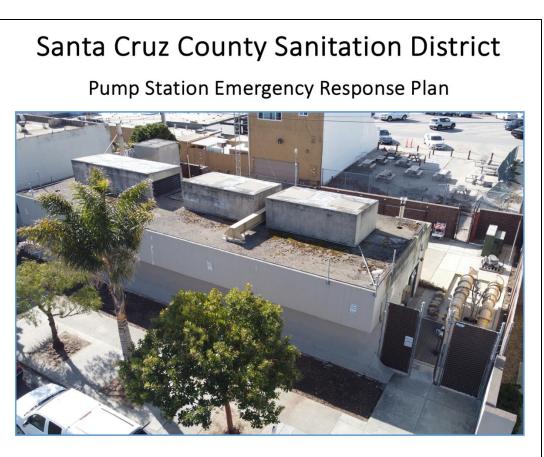
#### Table of Contents

Section	ERP Framework	Page				
1	Pump Station Location & Directions	3				
2	Hazards & Cautions	4				
3	Overflow Decision Tree	5				
4	Pump Station Power Map	12				
5	Pump Station Network	13				
6	Pump Station Piping					
Action Items						
7	Spill Containment	15				
8	Lockout/Tagout Procedures	16				
9	Generator & Transfer Switch Operation	21				
10	Portable Generator Operation via Transfer Switch	31				
11	Portable Generator to Directly Power Pumps 2 or 3	35				
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13	Force Main Bypass					
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18	Contact Information	63				

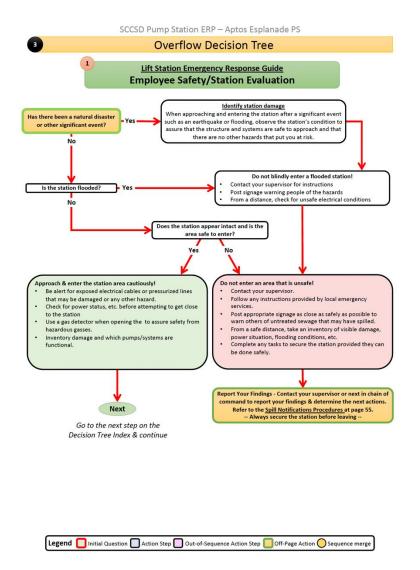


#### 2.SSMP BEST PRACTICES

• Pump Station Emergency Response Plan (ERP)



Aptos-Esplanade PS 104 Marina Ave







#### **CONCLUSIONS**

- 1. Be proactive (not reactive)
- 2. Know the WDR and SSMP Requirements!
- 3. Utilize Available Industry References (BACWA SSMP Guidance Manual)
- 4. Network with other agencies
- 5. Attend all available trainings!





### Sanitary Sewer Systems New Waste Discharge Requirements

for LRO's, Supervisors, and Managers

- **Expedite** agency compliance to avoid violations.
- ✓ Reduce risks for enforcement and fines.
- ✓ Learn Regional Board insights to get your program ready before inspectors arrive.
- ✓ Learn SSMP Auditing Best Practices for resilience with Regulators/NGOs.

+Bring your Current SSMP/Audits for expert compliance feedback!

FISCHER

Email: jim@fischercompliance.com | Phone: 916-606-527

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#### **Compliance Redefined**

FISCHER COMPLIANCE, LLC is a professional water and wastewater regulatory compliance consulting company, delivering high quality sanitary sewer systems compliance consulting services to public municipalities.

FIND OUT HOW







# WASTEWATER COMPLIANCE TRAININGS Workshops

#### WASTEWATER COMPLIANCE & ENFORCEMENT TRAINING

These six-hour workshops are designed for managers, supervisors and operators of sanitary sewer/collections and wastewater treatment systems, as well as laboratory managers, and environmental compliance staff. With over 50 years of combined water quality and regional water board experience, Jim Fischer and Tamarin Austin will guide participants through numerous hands-on modules, resulting in a memorable training and strategies you can use to keep your system in compliance.

#### **TOPICS INCLUDE**

- NPDES Permit Compliance
- · Enforcement Policy Review
- Public/NGO Clean Water Act Claims
- · Compliance Guidance and Strategies
- Biosolids/Land Application
- Sanitary Sewer WDRs
- Water Board Resources

#### Training Contact Hours Provided

#### SEWER SYSTEM MANAGEMENT PLAN WORKSHOP

Sewer System Management Plans (SSMPs) deadlines are coming up! The large systems adoption deadline is May 2 and medium systems adoption deadline is August 2. Are you ready? We can help! These workshops are designed for collection system managers, supervisors, operators, engineers, environmental compliance staff and any staff responsible for SSMP development and implementation. We will review the Sanitary Sewer Waste Discharge Requirements, with specialized attention to development of SSMPs. Attendees will be exposed to numerous case studies and receive a customized SSMP questionnaire and workbook, giving your agency a head start on the required SSMP update.

#### SPACE IS LIMITED!

To Register or Explore Additional Dates, Email: <u>Tamarin.ACWAINC@gmail.com</u> www.AustinCleanWaterAdvisors.com

#### COMPLIANCE & ENFORCEMENT TRAINING

**WORKSHOP** 

**DATES** 

March 5 - Sacramento

March 10 - East Bay

March 17 - Los Angeles

March 19 - Ventura County

March 31 - Orange County

April 3 - San Diego

April 9 - San Francisco

April 28 - Wine Country

James Fischer, P.E. Tamarin Austin, JD



Water Board WDRs
Enforcement/Inspector
(Retired)





#### SSMP WORKSHOPS

March 6 - Sacramento

March 11 - East Bay

March 18 - Los Angeles

March 20 - Ventura County

April 1 - Orange County

April 4 - San Diego

April 10 - San Francisco

April 29 - Wine Country







# WAVES OF CHANGE

NAVIGATING THE FUTURE OF WATER

APRIL 22-25, 2025 PALM SPRINGS

AC.CWEA.ORG

### **WDR Compliance Best Practices**

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(916) 521-9696 (chris@ewersengineering.com)

# THANK YOU

#### **PLEASE NOTE:**

It will take 2-3 weeks after the event for your contact hours to appear in your account.